

20. Chester, C. Blacow.

Notes on the Birds of Hawaii

Stenographic Notes.

1. 2. 3. 4. 5.

Signs

♂ = males. ♂, ♀, x = females

|o| = sex unknown.

♀ = species uncertain.

⊗ = young birds

⊥ = deformed or diseased.



#100. Elphais.

Length 14.10, Wing 6.50, Tail 6.10, Toe +
Tarsus 2.28, Culmen 1.25, Width of beak
.58, Depth of beak .43 cm.

Female ♀ Found on Morris Ranch
at 4000 ft elevation, in Ober trees
on Dec. 23, 1903. Possibly an adult
bird, white on the forehead, etc. upper
tail coverts white.

#101. Length 16.50, Wing 7.10, Tail 6.50
Toe 1.75, Culmen 1.85, Width of beak
.59, Depth of beak .46 Tarsus 2.50 cm.

White on the forehead, black & white
on the throat, back grey brown, upper
tail coverts white. Male. ♂. Found on
Morris Ranch, at 4000 ft. elevation, on

Dec. 25, 1903

#102. Length 14 cm, Wing 6.50, Tail 5.90
Tars 1.50, Culmen 1.30-1.55, Tarsus 2.50, Depth
of beak .45 cm

Color, above, washed with greyish
chocolate, on back, wings, head, etc,
chocolate more or less suffused with white,
whitish on under side. Female. ♀.

Found on Francis Ranch, in
corn field, at about 4000 ft elevation
on Dec. 25, 1903. Belongs to one of
the two species that are supposed
to inhabit Hawaii, and is different
from Nos. 100, and 101. Elepaio.

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#103. *Psittopsitta* N.G.

Carpodacus mexicanus obscurus

Length 15.00, Wing 7.80, Tail 6.10, Toe 1.60

Tarsus 1.75, Culmen 1.07 Depth of
beak .85. Upper tail coverts scarlet orange,

lower light ochraceous. etc. sides of head
orange; back, grey brown tinged with
orange. Male ♂. Cannot make a
skin, too badly decayed.

#103. *Psittopsitta*

Length 12.50 Wing 6.70 Tail 4.70 Toe 1.82

Tarsus 2.25 Culmen 1.81 Depth of beak .78 mm

²¹ Found on Morris Ranch, in Com. filed at
4000 ft. elevation, on Dec. 25, 1903

Female ♂.



#104.

17.16,

10.60,

7.35,

2.41

Male, ♂. Found on Horns Ranch
Dec 25, 1903, in corn-field at 4000 ft
elevation.

Dec. 29, 1903

From now on all measurements in INCHES.

105. Quail.

Length 7.35, Wing 4.50 Tail 4.60 Toe 1.5, Tarsus

1.25, Culmen .47, Depth of beak .305 inches

Adult male ♂. Found on Horns

Ranch, at 5500 ft elevation on Dec. 27, 1903

at 3:10 P.M. on an old dead Roa tree.

#106. A new bird.

Length 4.42, Wing 2.65, Tail 1.70, Toe .67
Culmen .66, Tarsus .88 Depth of
beak .20 ; length of hind toe with claw
.53. inches. Immature. ♀.

Found about halfway between Pōkū and
the hill to the S.E. of it along the stone fence,
and about $\frac{1}{4}$ of a mile down from the fence
among the upper distinct loose hail at the
foot of a small hollow; in the Naupaka
bushes: on Hanis Ranch, Hamakua, Hawaii
on Dec. 27, 1903, at about 7500 feet elevation.

Tongue is tubular like those of the Chlorodrepanis
Bill curved similar to them (Chlorodrepanis.)

Immature: under edge of bill white.

It is a clustering species, about the size
of #12 and somewhat smaller.

#107. *Elepaio*

Length 5.65, Wing 2.80, Tail 2.45. Tarsus .90
Toe .65; Culmen .50, Depth of beak .18 inches
Male ♂. Found on Horner's Ranch, about
1/4 mile below Pōkehi (at stone fence) at 7,800 feet
elevation on Dec. 27, 1903. Is a new species,
or belongs to one of the two species on this
island

#108. *Chlorodrepanis virens*.

Length 4.51, Wing 2.60, Tail 1.68 Toe .65
Tarsus .95 Culmen .60. Depth of beak
.23 inches Male, adult ♂.

Found on Horner's Ranch, at 7000 ft elevation
in forest above Waimā road at Kākapapa, on
Dec. 27, 1903.

109.

Length 5.38 Wing 3.07 Tail 1.60, Toe .83

Tarsus .95 Culmen .96 Depth of beak .35?

Male ♂ Testicles enlarged. Found
in field other side of the Harapile gulch, above
the Kanine road, and in the upper part
of the canyon, among the mesquites at about 6,800
feet elevation, on Horns Ranch, Dec 27, 1903.

110. *Chondestes maculosa*.

Length 4.50 Wing 2.60, Tail 1.50 Toe .67

Tarsus .92 Culmen .54 Depth of beak .20 inches

Female ♀, ovaries enlarged and
colored, shows signs of breeding, as some
eggs are almost wholly developed.

Found in the same field as # 109.

on Dec 27, 1903 at 3.20 P.M.

Sent to Mr. Miller May 20

1904.

#111 *Lophioides ballean* (Palila.)

Length 6.5, Wing 5.5, Tail 2.55, Toe .90

Tarsus 1.1: Culmen .53, Depth of beak .40 inches

Toe is in same position #109, and at the

same place, but in a different place

that I found the *Lophioides* and not

in the same place, Dec. 27, 1903,

among the Mamame trees. Female, ♀.

Ovaries very small.

Mamame trees in bloom now heavily.

Dec. 27, 1903.

112. *Chlorodrepanis*

Length 110, Wing 70, Tail 100, Tarsus 82

For. Culmen 20, Depth of beak 20 inches.

Female, ♀. Ovaries very small.

Found on

3 specimens in all the

specimens are 1 ♀.

Specimens # 68, 90, 45,
45.

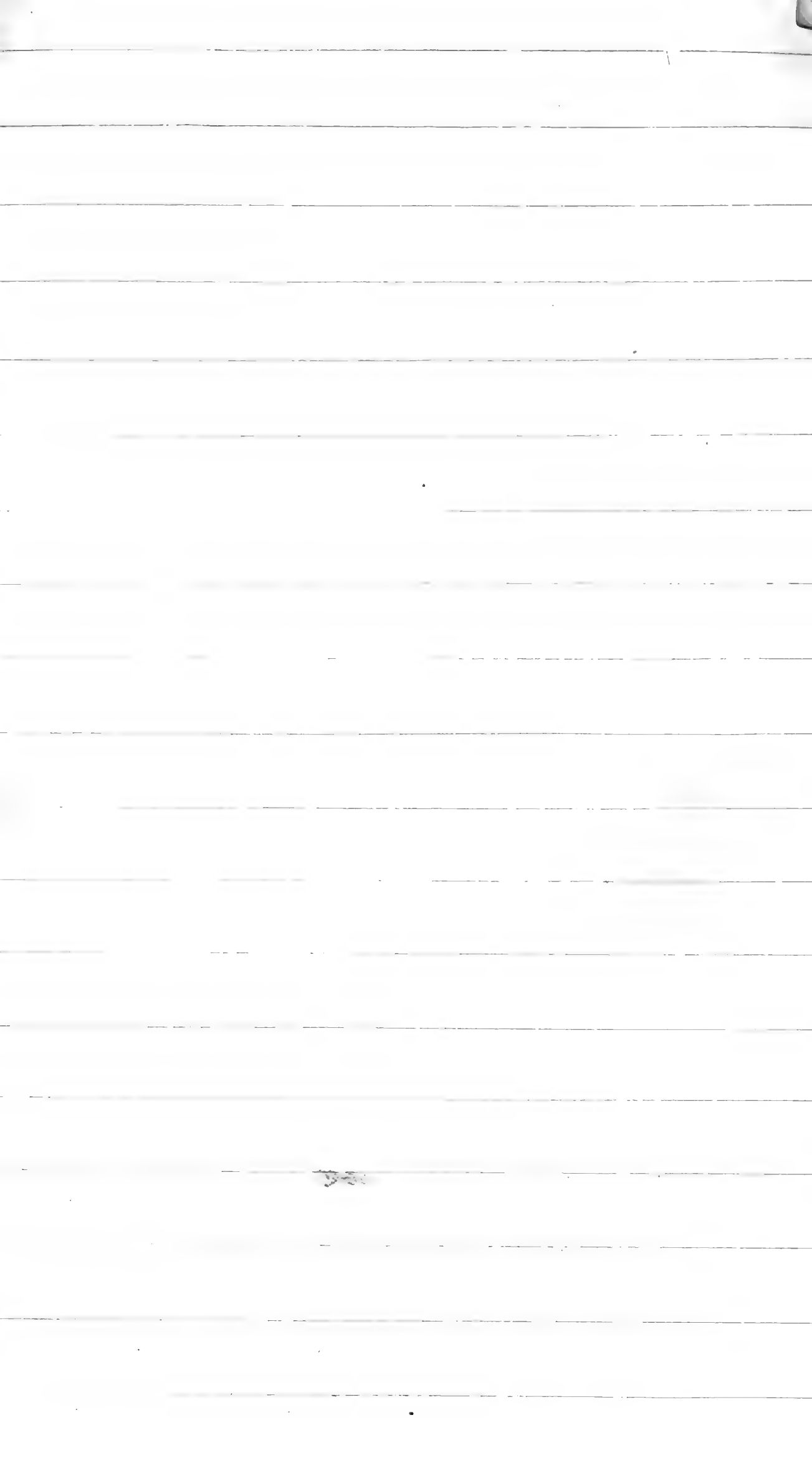
Specimens in all the

~~112~~ 74, 61, 77, 101, 9, 102,
64, 77, 102, 79, 102, 8, 102, 7,
78, 40, 21, 47, 56, 72, 55,
10, 80, 162, 37, 75, 126, 108
1, 17, 11, 73, 73,

Jan. 23. 04.

#104, in 24. 04 left at ^{medium}

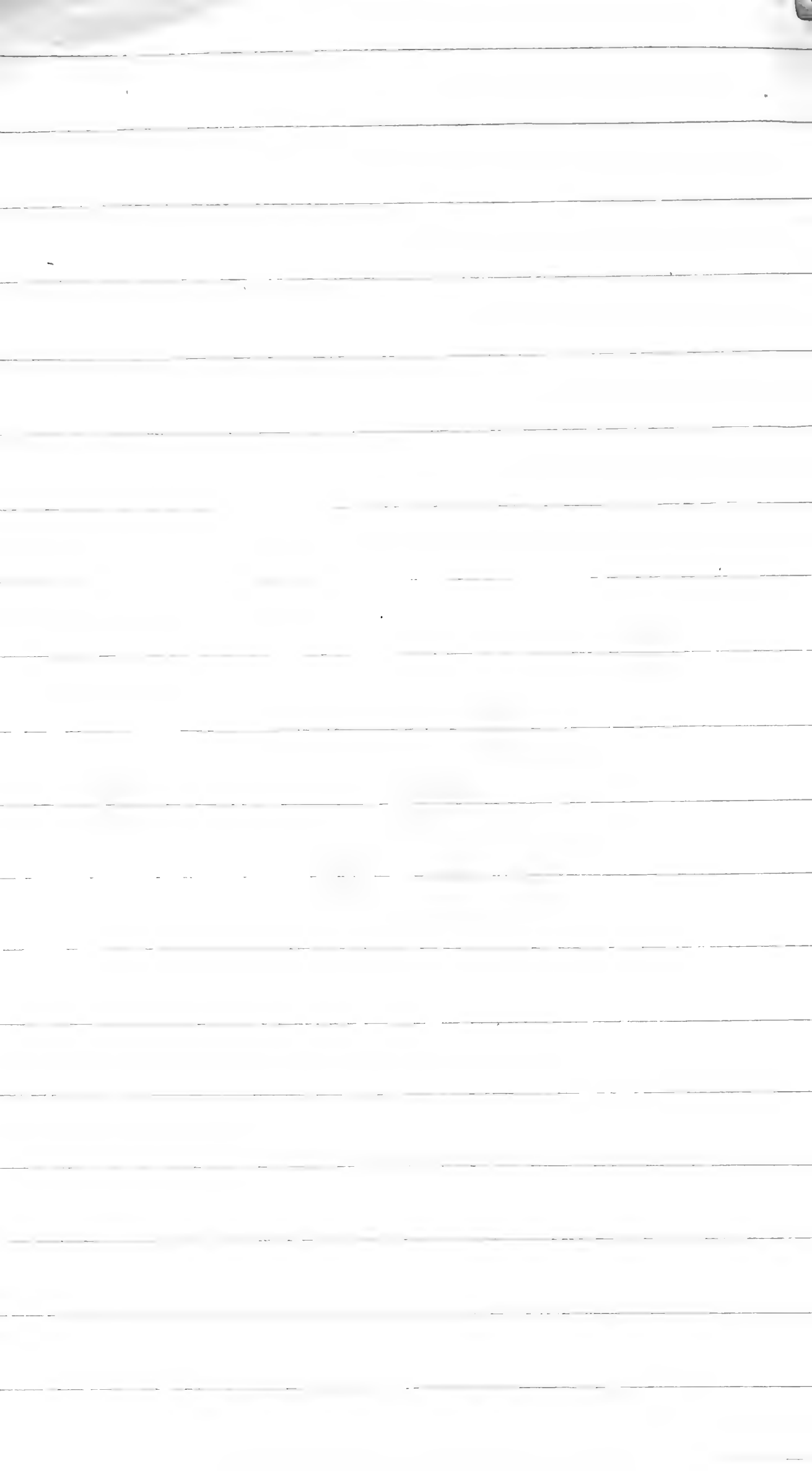
look out #110. to send to
Miller.



11. 11. 1904. Length 2.28, Wing 3.28, Tail
1.77, Tarsus .98, Culmen 1.01, Middle toe .98,
Middle toe & claw .57, Iris .57.
Found in the same place as the first one
on June 27, 1904, in the same place.
This was a male ♂
Tarsus very small.

12. 11. 1904. Length 2.28, Wing 3.42, Tail
1.87, Tarsus .99, Culmen .92,
Middle toe & claw .85, Middle toe .57.
Found in the same place as the first one
on June 27, 1904.
235 P. H. in the same place as the first one,
at about 1800 ft. above sea level.

Birds just beginning to nest,
June 27, 1904.



Found a (small) nest
of eggs, and a few
of the young ones.
June 27, 1904. Near
Point of View, near
Anchorage.

July 11, 1904. Found
a nest of eggs, and
the first of the young
are hatched.

Found about 100
nests, and a few
of the young ones.
Found June 27,
it had no eggs in it.
The first of the young
3 of them were found.

115. up. Small ones two or 3
months up is a little larger. *small*
Found in *Re. a. 1000* at 76.
I. a. 1000. *small* *small* *small*
This, Monday at 10. *small* *small*
very *small* *small* *small* *small*
are about *small* *small* *small* *small*
from 1.20 30 40 *small* *small*
at 10. *small* *small* *small* *small*
small *small* *small* *small* *small*
over.

small *small* *small* *small*
very *small* *small* *small*
4.65 *small* *small* *small*
2.82 *small* *small* *small*
very *small* *small* *small*
very *small* *small* *small*

7

109

#118. *O. naumae*. Nest in good
plumage, wings not fully feathered
etc. Found on Homer Ranch in
Kaala field near Kaneohe, 2800
ft elevation July 10, 1904.
Length about 4.33 inches.

X

#119. Hawk. *Buteo borealis*

Found on Jan. 28, 1906. Elevation
1250 ft.

#120. Eagle, *Haliaeetus*

Hawaii, elevation 1500 ft

Feb. 28, 1906. Length 5.50 inches

Mate ♂, no signs of breeding.

Wish to get something
the following: —

Wilkie Collins = *The Moonstone*.
Edgar A. Poe = "*The Murder in the Rue
Morgue*".

also: —

Hickins } Scott.
Lorne }

Jane Austen } George Eliot
Thackeray }

George Meredith } Washington Irving
Thomas Hardy }

see Success June 1902 pp. 340

Chas. E. Blawie.

Stenographic Notes.

7 1 2 3 4 5 6